

WHAT IS CLAIMED IS:

1. In a short-range mobile communication system for communicating through a selected radio link between a master and at least one slave, a method for fast transmission of data stored in a memory of the master to the slave through the selected radio link, comprising the steps of:

requesting transmission of data stored in the memory of the master;

establishing a selected radio link between the master and the slave in response to the request for transmission of data;

transmitting indexing information related to the kinds of data stored in the memory of the master through the selected radio link;

transmitting data corresponding to the indexing information selected to the slave through the radio link.

2. The method for fast transmission of data as recited in claim 1, further comprising the step of sending a message requesting transmission of data to a control unit of the master, and transmitting data stored in the memory of the master to the slave through the selected radio link in response to the request message.

3. The method for fast transmission of data as recited in claim 1, wherein the indexing information includes the size, title, and numbering of data stored in the memory of the master.

4. The method for fast transmission of data as recited in claim 1, further comprising decoding data in the slave and outputting data that is received through the selected radio link.

5. The method for fast transmission of data as recited in claim 1, wherein the selected radio link is one of infrared communication, or microwave communication, or asynchronous connection-less link being capable of high speed data transmission.

6. A slave device for receiving data stored in a memory of a main part through one of a low speed radio link for transmitting voice data or low speed data, or a high speed radio link for transmitting high speed data, comprising:

a short-range radio receiver for receiving data through a selected one of the high speed and low speed radio link;

a first decoder for decoding voice data or low speed data when the selected radio link is a low speed radio link for transmitting voice data or low speed data;

a second decoder for decoding high speed data when the selected radio link is a high speed radio link for transmitting high speed data; and

a converter for converting data decoded by the first or second decoder into audio data.

7. The slave device as recited in claim 6, wherein one of the high speed radio link and the low speed radio link are selected by a control unit of the master.

8. The slave device as recited in claim 6, wherein the short-range radio receiver includes an antenna for receiving signals transmitted through the selected radio link, a transceiver for converting the received signal into digital data, a baseband for processing data provided by the transceiver, and a memory for storing programs for controlling the operation of the baseband.

9. The slave device as recited in claim 6, wherein the first decoder comprises a PCM decoder for decoding voice data or a low speed data.

10. The slave device as recited in claim 6, wherein the second decoder comprises an MP3 decoder for decoding MP3 files.

11. The slave device as recited in claim 6, wherein the converter is a speaker for outputting voice data provided by the first decoder.

12. The slave device as recited in claim 6, wherein the converter further includes a earphone for listening to data output from the first decoder and the second decoder.

5 13. The slave device as recited in claim 6, further including a remote controller having a function button for controlling reproducing speed, and for selecting MP3 files stored in the memory of the master.

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